# 2016 IOWA RAIL PLAN

# Welcome

Freight Advisory Council

September 11, 2015

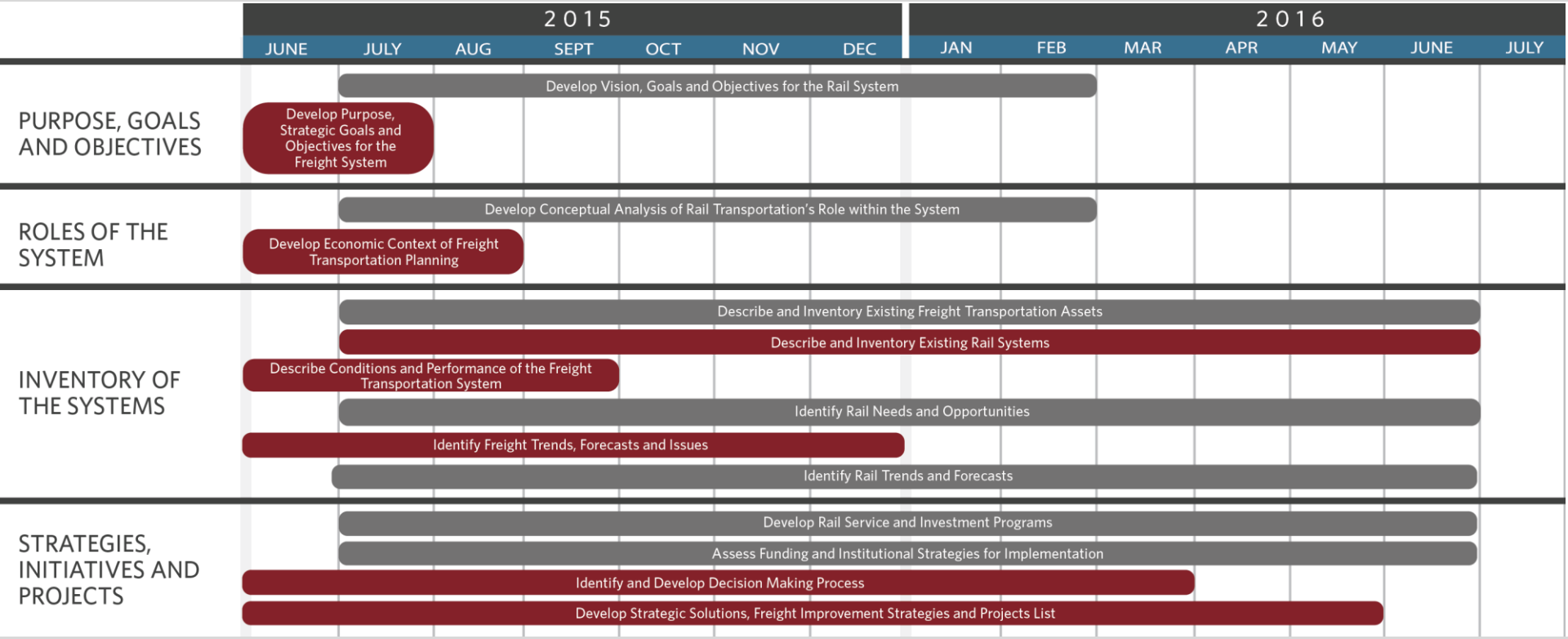
IOWA IN MOTION planning ahead 2040

2016 IOWA RAIL PLAN

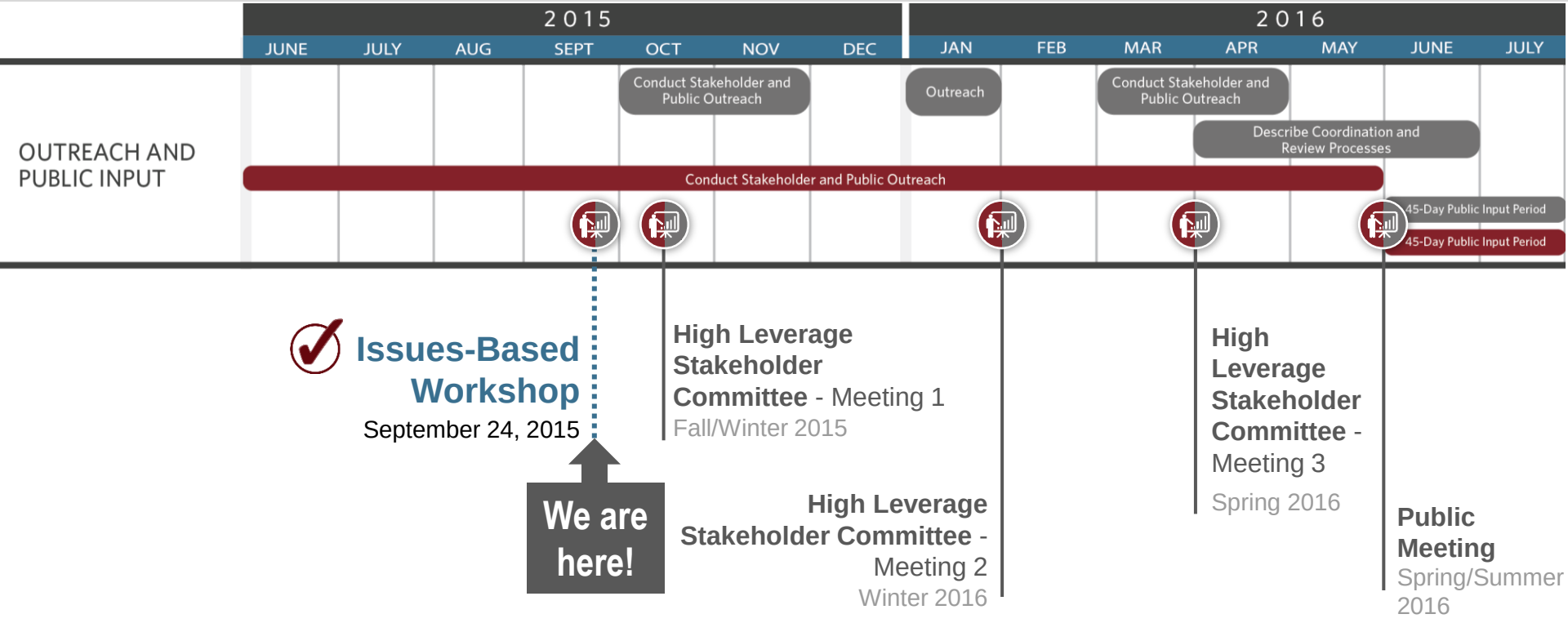
## Goal

Accurately define what the rail and freight system in the state looks like today and what it needs to look like in the future.

# 2016 Iowa Rail and Freight Plan Task Overview



# 2016 Iowa Rail and Freight Plan Task Overview



# 2016 Iowa Freight Plan Overview

## Freight Plan

# Goals of the Iowa Freight Plan

Improve contribution of freight system

Reduce congestion

Improve safety and security

Repair system

Implement innovative technology

Reduce impacts

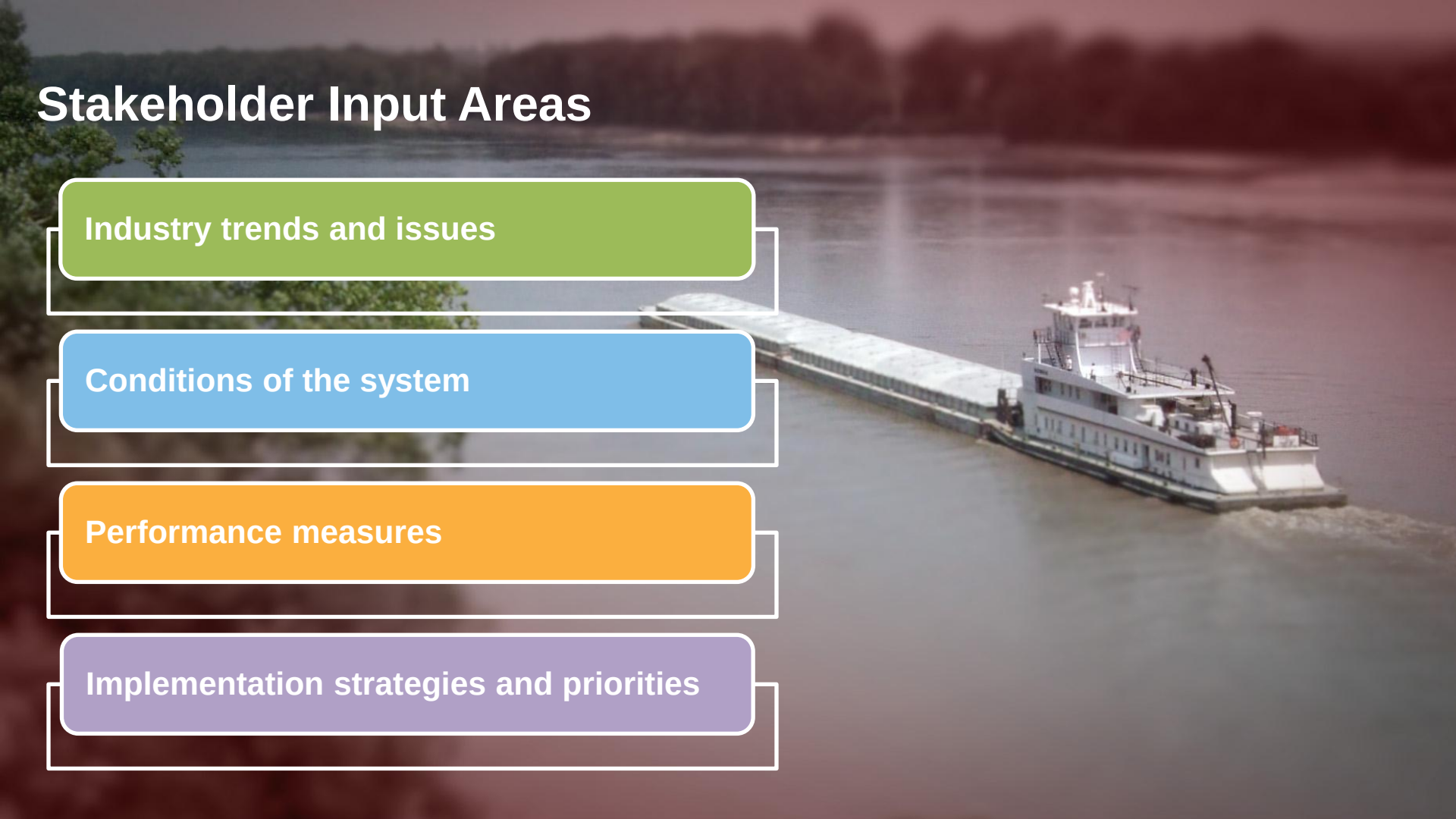
Gather input

# Outline/objectives of the State Freight Plan

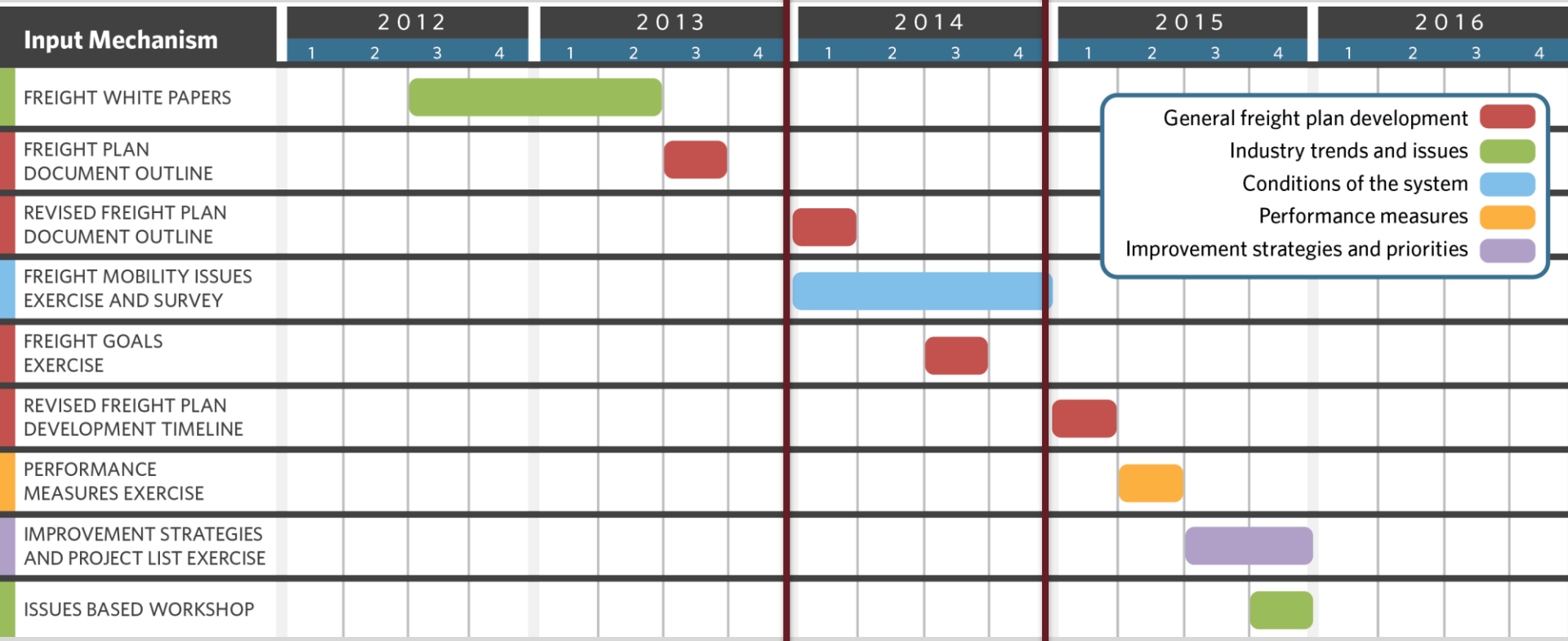
- Develop strategic goals and objectives
- Identify and document the economic importance
- Document freight trends and issues
- Project freight-related forecasts
- Inventory existing assets
- Describe conditions of the system, develop performance measures
- Identify and develop the decision making process
- Develop strategic solutions, improvement strategies and a prioritized project list

# Stakeholder Input Areas

- Industry trends and issues
- Conditions of the system
- Performance measures
- Implementation strategies and priorities



# Stakeholder Input Gathering




IOWA DOT
SMARTER | SIMPLER | CUSTOMER DRIVEN

IOWA IN MOTION planning for 2040

Start of plan development

Reset timeline

2016 IOWA RAIL PLAN

# Guidance on Freight Improvement Strategies

Must include:

- A description of the **strategies the state is employing to address freight mobility issues**

Recommendations:

- Include a presentation of the state's complete freight improvement strategy, **with different improvements ranked in order of priority** (or grouped into higher and lower priority groups)
- Include an analysis of **how each improvement will advance the state's strategic goals**

# Freight Improvement Strategies

- Development process
  - Current/future department initiatives
  - Freight Advisory Council
  - Freight Executive Committee
  - Other planning partners

# Example Strategies

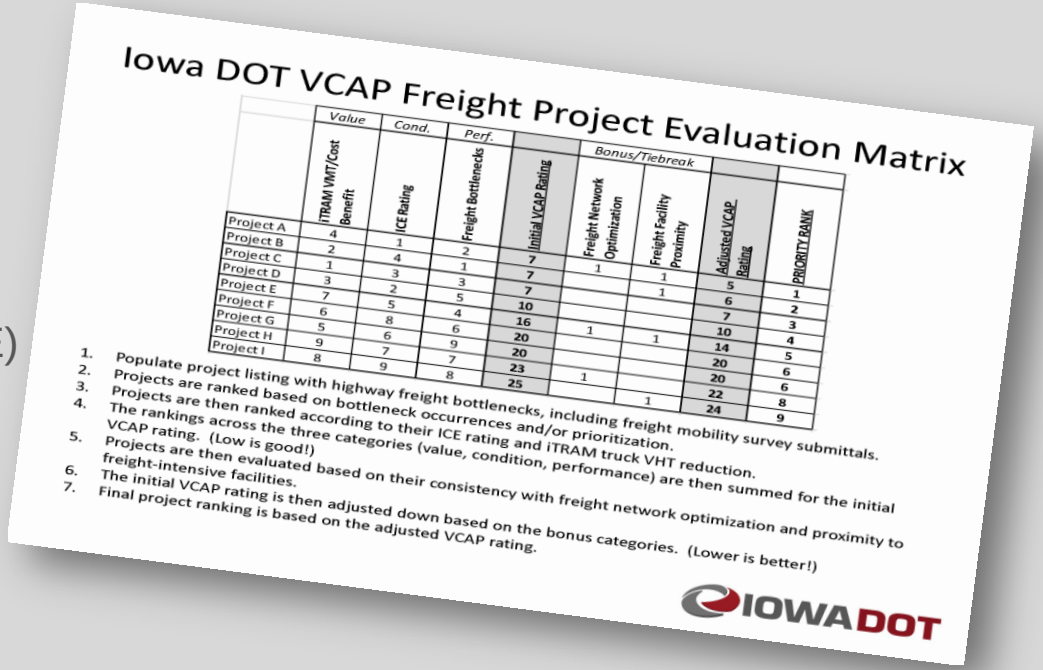
- Explore/create other **funding sources** to increase investment in the freight transportation system
- Target investment to **address mobility issues** that impact freight facilities
- Utilize designs that are **compatible with oversize/overweight** freight movements
- Target **investment on the interstate system** at a level that reflects the importance of this system for moving freight
- **Leverage information from users** of the system to support advanced decision-making and incident avoidance

# Multimodal Freight Projects

- Aviation – Iowa DOT Office of Aviation
- Highway – Freight Mobility Issue Survey, Value, Condition, and Performance (VCAP) concept
- Pipeline – Propane Supply Chain Optimization Study
- Railroad – State Rail Plan
- Waterway – U.S. Army Corps of Engineers

# Example Project List - Highway

- VCAP matrix
- Tools
  - Freight Mobility Issue Survey
  - Iowa Travel Analysis Model (iTRAM) statewide travel demand model
  - Infrastructure Condition Evaluation (ICE)
  - Freight Network Optimization study
  - Iowa DOT truck traffic data
- Process



# Example Project List - Highway

| | | VALUE | | CONDITION | | PERFORMANCE | | | TIEBREAK | |
|---|---|---|---|---|---|---|---|---|---|---|
| MAP ID | LOCATION | ITRAM | "V" RANK | ICE | "C" RANK | INRIX | "P" RANK | AVERAGE RANKING | TRUCK VOLUME | PRIORITY RANK |
| 47 | US-151 N/S @ MAQUOKETA DR | 53.29 | 38 | 54.93 | 3 | 1040 | 6 | 15.67 | 2115 | 1 |
| 48 | I-80/29 N/S THROUGH COUNCIL BLUFFS | 60.79 | 32 | 56.87 | 6 | 374 | 16 | 18.00 | 13579 | 2 |
| 57 | I-35/80 N/S, E/W @ IA-141 | 49.26 | 43 | 59.82 | 14 | 2036 | 2 | 19.67 | 12761 | 3 |
| 76 | I-380 N/S THROUGH CEDAR RAPIDS | 76.37 | 26 | 55.17 | 4 | 123 | 33 | 21.00 | 7226 | 4 |
| 5 | US-30 E/W THROUGH MISSOURI VALLEY | 21.80 | 58 | 52.78 | 2 | 1563 | 4 | 21.33 | 993 | 5 |
| 87 | I-74 @ MISSSISSIPPI RIVER | 90.95 | 23 | 66.38 | 33 | 706 | 9 | 21.67 | 2908 | 6 |
| 66 | IA 160 E/W @ I-35 & I-35 N/S @ IA-160/ EXIT 90 | 108.67 | 18 | 64.56 | 27 | 114 | 35 | 26.67 | 8331 | 7 |
| 71 | I-380/US-218 N/S FROM SAN MARNAN DR TO W 9TH ST | 12.87 | 61 | 62.55 | 21 | 1764 | 3 | 28.33 | 2799 | 8 |
| 15 | I-35 N/S @ US-20/EXIT 142 & US-20 E/W @ I-35/EXIT 153 | 114.43 | 17 | 74.47 | 55 | 420 | 14 | 28.67 | 5559 | 9 |
| 79 | I-380 N/S @ I-80/EXIT 0 & I-80 E/W @ I-380/EXIT 239 | 146.63 | 10 | 73.86 | 53 | 250 | 24 | 29.00 | 11161 | 10 |
| 55 | I-35/80 N/S @ DOUGLAS AVE | 52.83 | 41 | 59.58 | 13 | 116 | 34 | 29.33 | 12884 | 11 |
| 82 | I-80 E/W FROM 1ST AVE TO DUBUQUE ST | 199.88 | 1 | 63.61 | 23 | 27 | 64 | 29.33 | 12240 | 12 |
| 11 | US 30 E/W @ US-59/IA-141 | 60.33 | 33 | 70.01 | 41 | 387 | 15 | 29.67 | 1377 | 13 |
| 65 | US-6 E @ I-80 (EAST) & US-65 N/S @ I-80/US-6/NE HUBBELL AVE/EXIT 142 | 44.08 | 44 | 71.79 | 47 | 9375 | 1 | 30.67 | 9601 | 14 |
| 60 | I-35/80 N/S, E/W FROM MERLE HAY RD TO IA-415 | 75.78 | 27 | 56.44 | 5 | 30 | 63 | 31.67 | 14124 | 15 |
| 43 | US-61 N/S THROUGH BURLINGTON | 18.63 | 59 | 58.76 | 9 | 172 | 27 | 31.67 | 1107 | 16 |
| 17 | I-35 N/S @ US-30/EXIT 111 & US-30 E/W @ I-35/EXIT 151 | 131.58 | 13 | 76.54 | 64 | 336 | 19 | 32.00 | 7633 | 17 |
| 51 | I-80/I-35/I-235 N/S, E/W @ SW MIX MASTER | 92.24 | 22 | 74.58 | 56 | 365 | 18 | 32.00 | 6870 | 18 |
| 59 | I-35/80 N/S, E/W FROM NW 86TH ST TO MERLE HAY RD | 67.38 | 30 | 59.15 | 12 | 45 | 55 | 32.33 | 14089 | 19 |
| 84 | US-61 N/S @ I-80/EXIT 123 & I-80 E @ US-61/BRADY ST/EXIT 295 | 53.65 | 36 | 71.04 | 44 | 368 | 17 | 32.33 | 11230 | 20 |
| 54 | I-35/80 N/S @ US 6/HICKMAN | 53.37 | 37 | 58.81 | 11 | 61 | 51 | 33.00 | 12804 | 21 |
| 63 | I-35 N/I-235 W @ I-80/I-235/EXIT 87 & I-80 E/W @ I-235/I-35/EXIT 137 | 119.00 | 16 | 75.19 | 59 | 226 | 25 | 33.33 | 11709 | 22 |
| 80 | I-80 E/W FROM I-380 TO IA-965 | 165.25 | 8 | 62.23 | 20 | 0 | 73 | 33.67 | 12726 | 23 |
| 83 | I-80 E/W FROM DUBUQUE ST TO IA-1 | 196.39 | 2 | 65.13 | 28 | 0 | 73 | 34.33 | 12389 | 24 |

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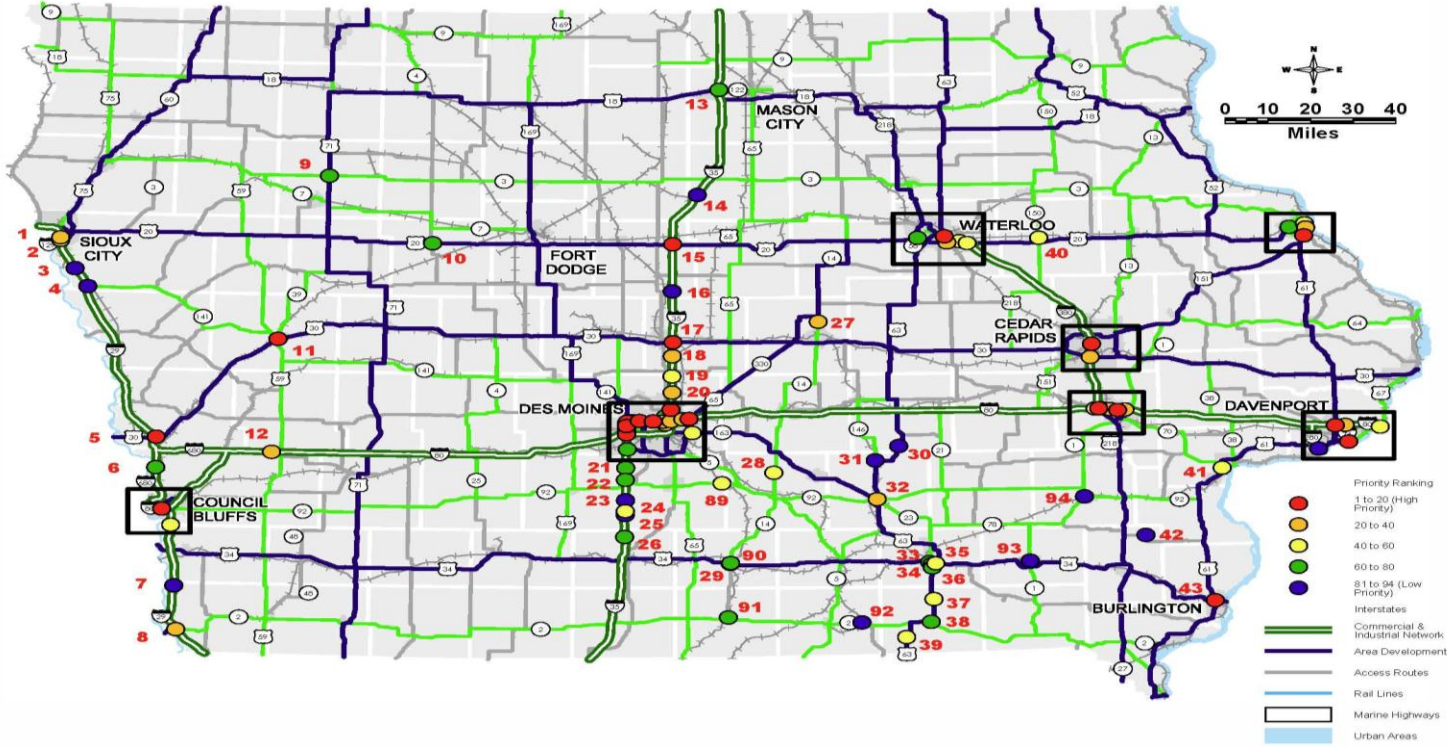
# Example Project List - Highway



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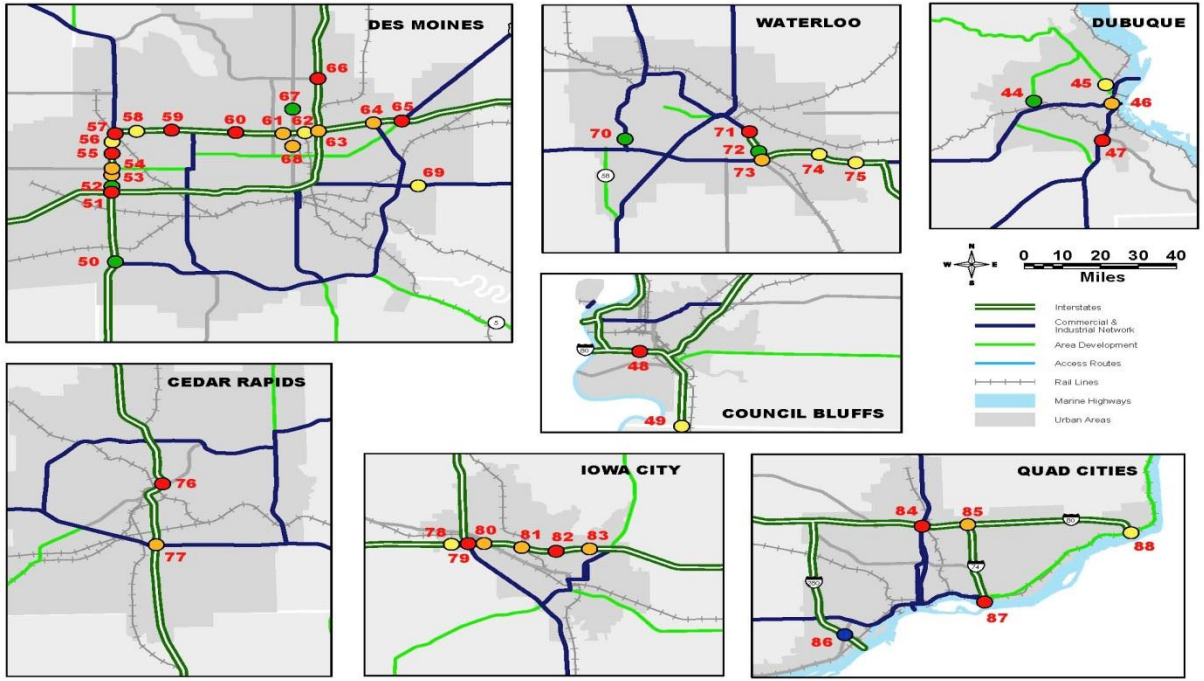

# 2016 Iowa Rail Plan Overview

## Rail Plan

# Federal Railroad Administration (FRA) Guidance

Stakeholder engagement

Identify proposed rail improvements

Safe, efficient, convenient freight transportation

Economic development

# Goals and Objectives of the Iowa Rail Plan

Merge rail plan into multimodal framework

Economic benefits

Align initiatives with Iowa priorities

Unify common rail interests

Develop in tandem with Iowa Freight Plan

Open and inclusive process

Educate the public through public meetings

# Additional Goals and Objectives Iowa Rail Plan

- Unique issues to Iowa
- Identify rail dependent commodities and industries
- Identify essential rail corridors by commodity
- Enable short line railroads to support economic development
- Look at abandonments more closely
- Identify investments and public benefits of the rail system
- Identify railroad needs and priorities
- Identify solutions to rail system bottlenecks

# Iowa Rail and Freight Today

4 times faster than trucks

48 .5 million tons shipped

84% of shipments are coal, chemicals, farm & food products

Over 3500 miles of track

37.7 million tons received

Average freight length over 1 mile

Over 3,500 rail employees

59,824 passenger rides in 2013

# Combined Stakeholder Engagement

## Freight and Rail Plan

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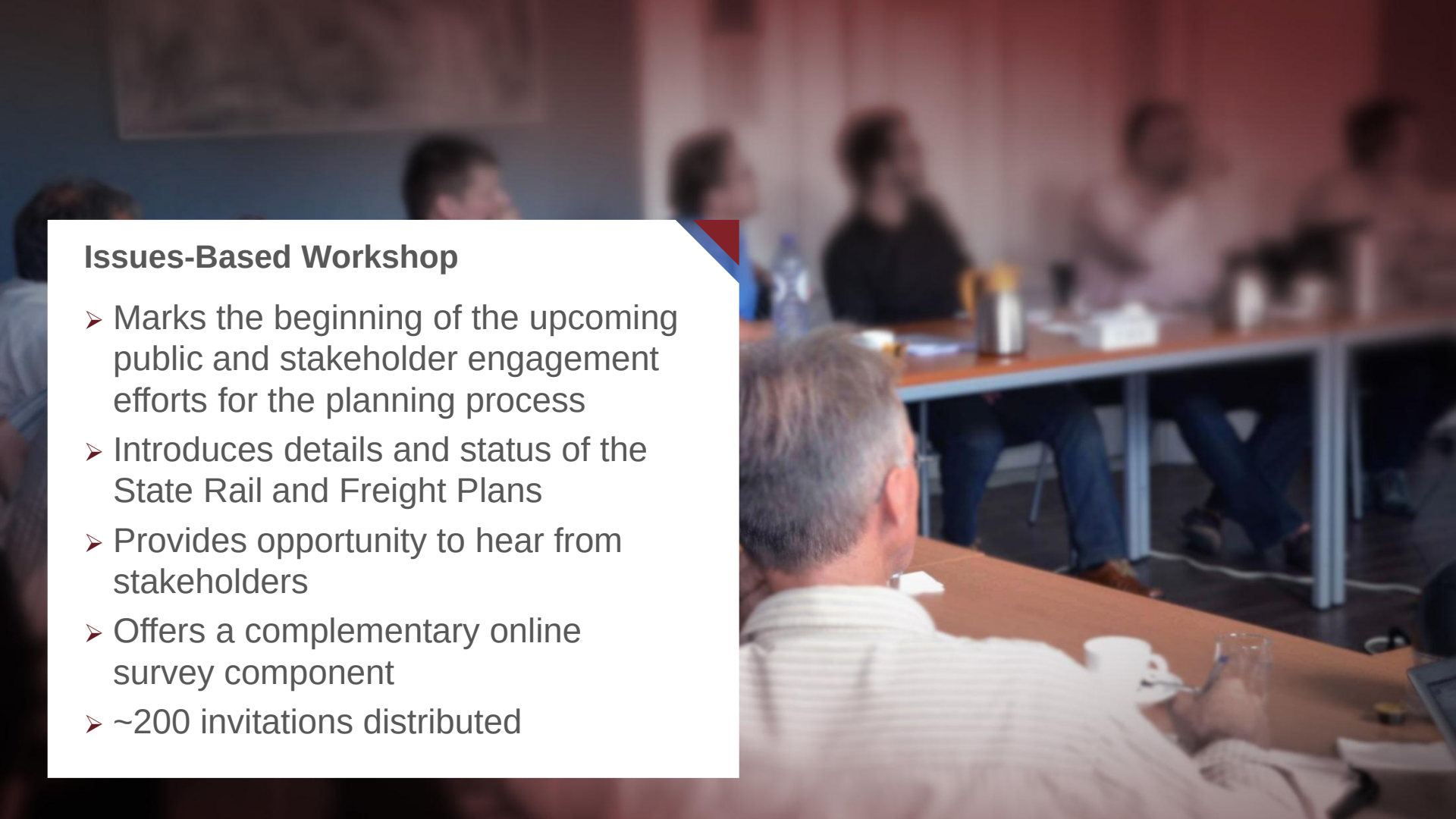
# Stakeholder Participation



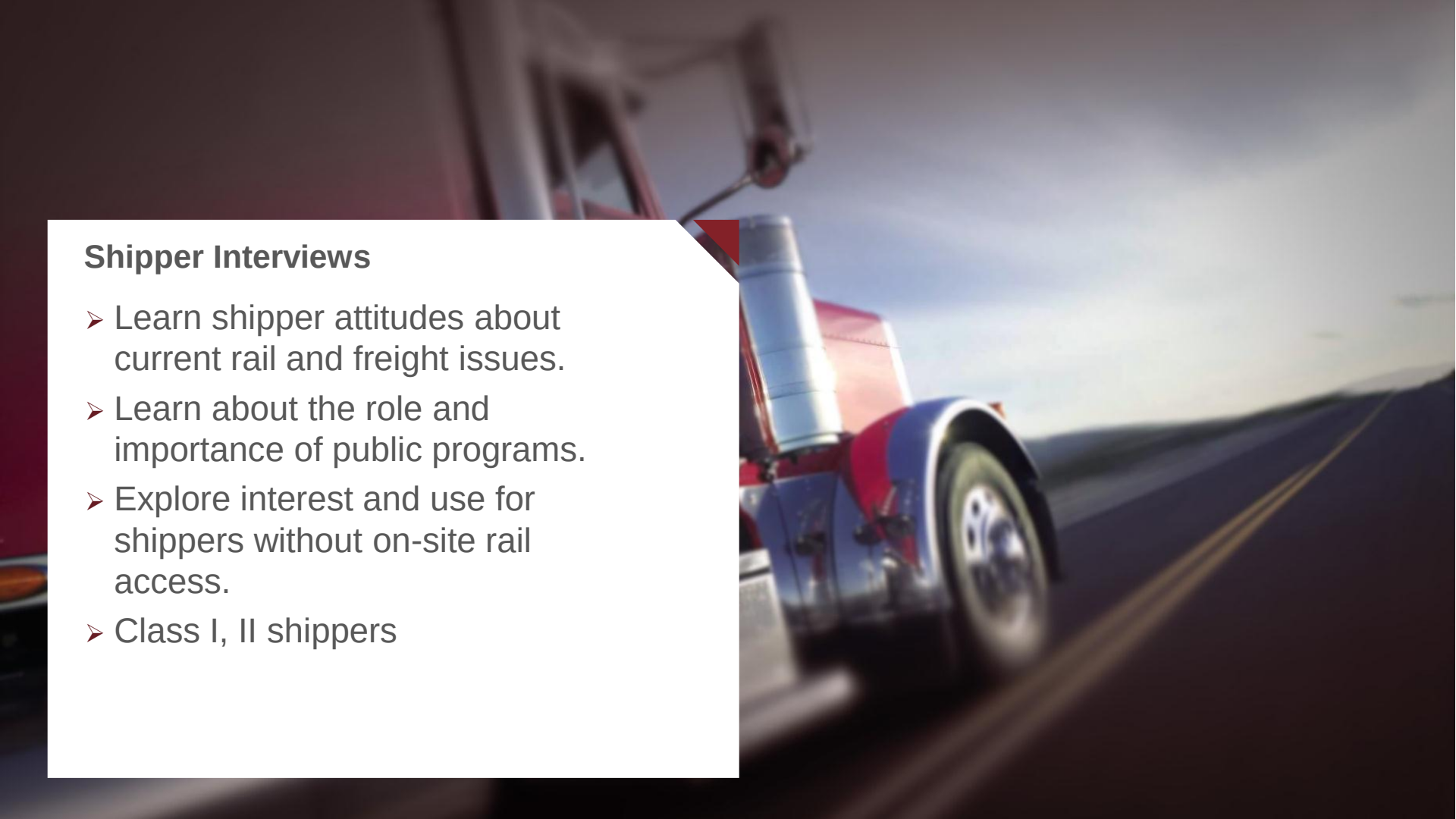
## Issues-Based Workshop

- Marks the beginning of the upcoming public and stakeholder engagement efforts for the planning process
- Introduces details and status of the State Rail and Freight Plans
- Provides opportunity to hear from stakeholders
- Offers a complementary online survey component
- ~200 invitations distributed

## High Leverage Stakeholder Committee

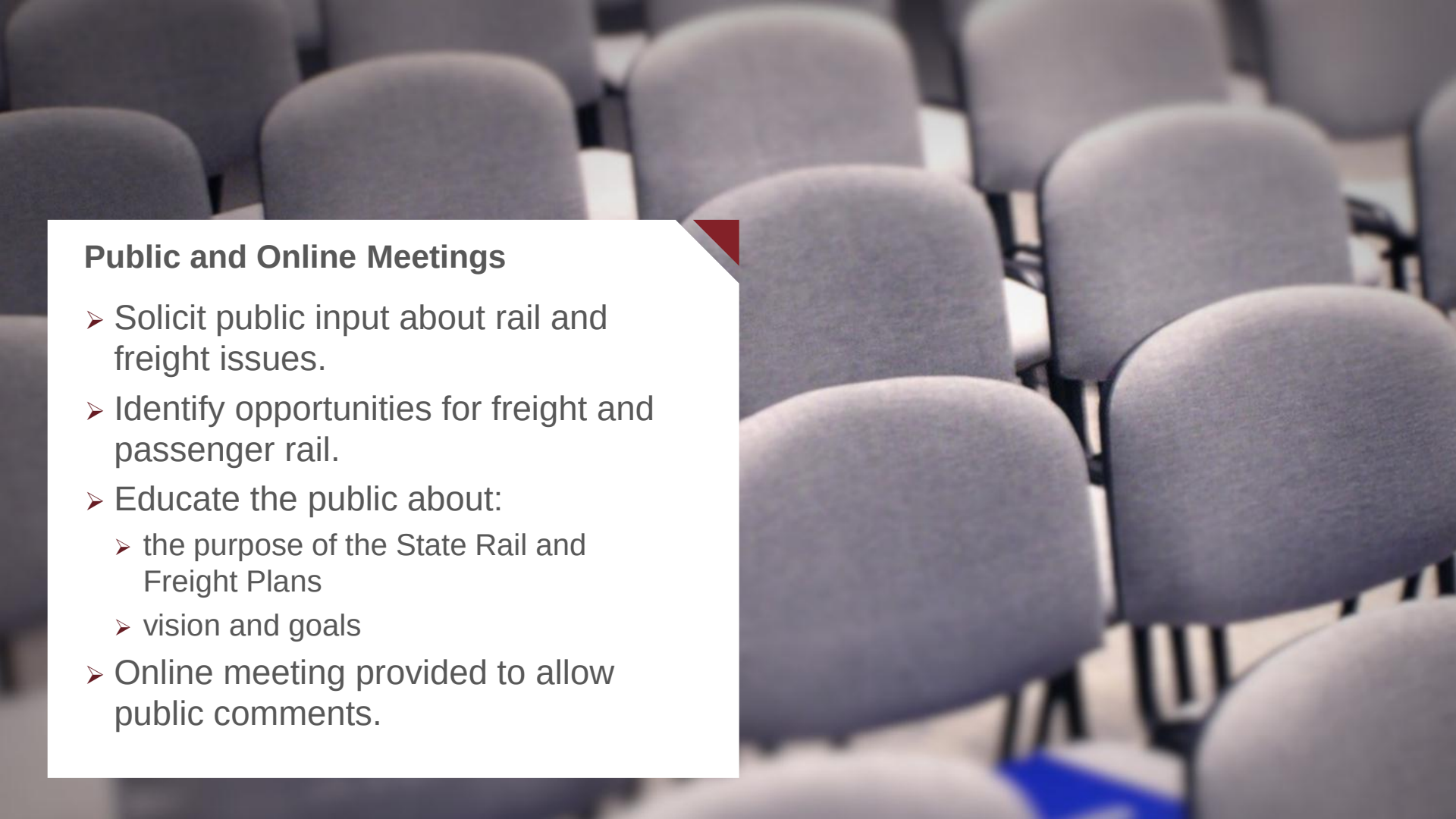
- Develop vision and goals for State Rail and Freight plans.
- Discuss strategies for improvements
- Discuss location-specific improvement projects.
- Composed of local persons having an active role in the community.

*High Leverage Stakeholder Committee members will be selected by the Iowa DOT and actively recruited with the assistance of local governments.



## Shipper Interviews

- Learn shipper attitudes about current rail and freight issues.
- Learn about the role and importance of public programs.
- Explore interest and use for shippers without on-site rail access.
- Class I, II shippers



## Public and Online Meetings

- Solicit public input about rail and freight issues.
- Identify opportunities for freight and passenger rail.
- Educate the public about:
  - the purpose of the State Rail and Freight Plans
  - vision and goals
- Online meeting provided to allow public comments.

# Stay Involved

http://engagefreightrailplans.iowadot.gov/

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# Speakers


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# Thank you